

ABSTRACT

An access point 10 providing a wireless LAN connection to a terminal device, for the purpose of connecting the terminal device to a WAN, the access point 10 includes: antenna units 210 and 310a-d that send and/or receive a 5 radio frequency signal used for exchanging information via the wireless LAN; signal conversion units 220, 230, 240, 320a-d, 330a-d and 340a-d that perform conversion between the radio frequency signal and a digital signal as the information; an information processing unit 110 that executes processing of the digital signal based on a communication protocol for exchanging of the 10 information; antenna cases 200 and 300a-d that contain the antenna units and the signal conversion units; a main unit case 100 that, separated from the antenna cases, contains the information processing unit; and a wired cables 250 and 350a-d that, connecting the antenna cases and the main unit case, performs transmission the digital signal between the signal conversion units 15 and the information processing unit.